

# Garrett Beatty

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## EXPERIENCE

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### Microsoft

Seattle, WA

Software Engineer

June 2021 – Present

- Designed and implemented authentication methods for Azure SQL Database “External REST Endpoints Integration”.
- Developed “Bring Your Own Runtime” on SQL Server 2022 Machine Learning Services for Linux, enabling users to configure custom R and Python runtimes.

### Comcast

Philadelphia, PA

Software Engineer 2

June 2019 – June 2021

- Developed backend microservices that support 30,000 technicians in the field, using Java, Spring Boot, MongoDB, MySQL, and Kafka.
- Responsible for developing and improving the team’s continuous integration process. Reduced deployment time by 95% by migrating CI/CD from GoCD to Concourse.
- Developed an iOS testing and release pipeline using Concourse, Appium, and Selenium Grid.

### Lockheed Martin

Moorestown, NJ

Software Engineering Intern

June 2018 – August 2018

- Worked on an Agile team to support the development of the Aegis Combat System using Java and C++.
- Automated parts of the build process using Jenkins, Python, and Bash.

### The College of New Jersey

Ewing, NJ

Machine Learning Student Researcher

January 2017 – December 2017

- Designed a machine learning and natural language processing infrastructure with a team of 5 students and faculty in Python using machine learning and statistical analysis libraries such as scikit-learn, numpy, pandas, and matplotlib.
- Improved the speed of the infrastructure by 95% by adding support for parallel processing on the HPC.

### Comcast

Philadelphia, PA

Software Engineering Intern

June 2016 – August 2016

- Increased the efficiency of the Quality Assurance team by creating a Node.js application that automatically generates unit testing reports, which can be filtered by date, device type, operating system, etc.

## TECHNICAL SKILLS

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Java, Python, C++, C#, Azure, AWS, Kafka, Grafana, Docker, Vault, Elasticsearch, Logstash, Kibana, Cloud Foundry, Concourse, GoCD, Jenkins, Artifactory, MongoDB, Spring Boot

## PROJECTS

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### Android Application – “arXiv Explorer”

Published an Android application with over 20,000 downloads that allows users to browse, search, and download scientific papers from arxiv.org.

## PUBLICATIONS

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### “The Use of Unlabeled Data versus Labeled Data for Stopping Active Learning for Text Classification”

*Proceedings of the 2019 IEEE 13th International Conference on Semantic Computing (ICSC), Newport Beach, CA, 2019.*

## EDUCATION

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### The College of New Jersey

Ewing, NJ

Bachelor of Science, Computer Science

August 2015 – May 2019